\$	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	AAAAAAA AAAAAAA AAAAAAA	
SSS SSS SSS SSS	DDD DDD DDD DDD DDD DDD DDD DDD	AAA AAA AAA AAA	
\$\$\$ \$\$\$ \$\$\$\$\$\$\$\$\$\$\$	DDD DDD DDD DDD DDD DDD	AAA AAA AAA AAA	
\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$ \$\$\$ \$\$\$	DDD DDD DDD DDD DDD DDD DDD DDD	AAA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	
\$\$\$ \$\$\$ \$\$\$ \$\$\$	DDD DDD DDD DDD DDD DDD	AAAA AAA AAA AAA	
SSSSSSSSSSS SSSSSSSSSSS SSSSSSSSSSSS	DDDDDDDDDDDD DDDDDDDDDDDD DDDDDDDDDDDD	AAA AAA AAA AAA	

••••

HH HH HH HH HH HH HH HH HHHHHHHHH HHHHHH	AAAAA AA AA AA AA AA AA AA AA AA AA AA AA AAAAAAAA	NN NN NN NN NN NN NNNN NN NNNN NN NN NN	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD		RRRRRRRR RRRRRRRR RR RR RR RR RR RR RRRRRR
LL LL LL LL LL LL LL LL LL LL LL LL LL		\$			

INDE

HANDLER EXCEPTION HANDLER

(1) 2 COPYRIGHT NOTICE
(1) 29 PROGRAM DESCRIPTION
(2) 80 DECLARATIONS
(3) 87 HANDLER -- EXCEPTION HANDLER

IND VO4

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V04

.TITLE HANDLER EXCEPTION HANDLER COPYRIGHT NOTICE SBITL . IDENT

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```
233333333
                      .SBTTL PROGRAM DESCRIPTION
0000
0000
                 FACILITY
0000
0000
                     SYSTEM DUMP ANALYZER
ŎŎŎŎ
ŎŎŎŎ
                 ABSTRACT
ŎŎŎŎ
0000
                     THIS MODULE CONTAINS THE EXCEPTION HANDLER
         38
39
0000
                     FOR THE DUMP ANALYZER PROGRAM. IT OUTPUTS
                     AN ERROR MESSAGE IF THE HANDLER WAS SIGNALED
0000
0000
         40
                     FROM WITHIN THE PROGRAM.
0000
0000
                 ENVIRONMENT
0000
         44
0000
                     NATIVE MODE, USER MODE
0000
        46
0000
                 AUTHOR
0000
        48
0000
                     TIM HALVORSEN, JULY 1978
0000
        30
51
0000
                 MODIFIED BY
0000
         52 53 54 55
0000
                     V004
                              TMH0004
                                                 Tim Halvorsen
                                                                   04-Nov-1981
0000
                              Fix handler to re-add the count of two (for the PC/PSL)
0000
                              back to the signal vector, so that a resignal after the PUTMSG doesn't screw up a later handler.
0000
0000
         56
0000
                     V003
                                                 Mike Rhodes
                                                                   19-Jun-1981
0000
         58
                              A. Check for internally signalled conditions, and act upon
0000
         59
                              them appropriately.
0000
         60
0000
        61
                              В.
                                       1. Remove $SDAMSGDEF macro references.
0000
0000
                                        Remove MSG macro and its associated MSG_TABLE.
0000
        64
0000
                                            Remove CMD_HANDLER entry point and code.
0000
0000
        67
                                            Remove private table search code, which now allows
0000
         68
                                        for uniform condition handling of all signals.
0000
0000
                     V002
         70
                              TMH0002
                                                 Tim Halvorsen 07-feb-1981
0000
         71
                              Do not convert unknown errors to fatals.
0000
                              Add NOINSTRAN for instruction decode.
0000
         74
75
76
0000
                     V001
                                                 Tim Halvorsen 19-Jan-1981
                              Add SPINOTFND and modify SHORTDUMP to include the number of blocks desired. Make fatal errors return the error
^000
U000
```

status code in the final image RO.

SYMBOL DEFINTIONS

0000 0000 0000 0000 0000 80 81 82 83 84 85 \$CHFDEF \$STSDEF CONDITION HANDLING DEFINITIONS CONDITION VALUE FIELDS IND VO4

Page 3 (2)

IND

V04

```
0000
                                                      .SBTTL HANDLER -- EXCEPTION HANDLER
                               ŎŎŎŎ
                                         88
                                0000
                                         89
                               0000
                                         90
                                                      HANDLER
                               0000
                                         91
                               0000
                                                      THIS EXCEPTION HANDLER IS RESPONSIBLE FOR TRAPPING
                                0000
                                                      CONDITIONS SIGNALED WITHIN THE PROGRAM AND OUTPUTING
                                0000
                                                      THE APPROPRIATE ERROR MESSAGE.
                                         95
                                0000
                               0000
                                         96
                                                 INPUTS:
                                         97
                               0000
                               0000
                                         98
                                                      4(AP) = POINTER TO SIGNAL ARGUMENTS
                                0000
                                                      8(AP) = POINTER TO MECHANISM ARGUMENTS
                               0000
                                        100
                               0000
                                        101
                                                 OUTPUTS:
                               0000
                                        102
                               0000
                                        103
                                                      ERROR MESSAGE TO THE OUTPUT DEVICE
                               0000
                                        104
                                        105 ;---
                               0000
                               0000
                                        106
                               0000
                                        107
                                            HANDLER::
                        0030
                               0000
                                        108
                                                      . WORD
                                                               ^M<R2,R3,R4,R5>
                               0002
                                        109
                               0002
                                        110
                                                      Check for INTERNALLY signalled conditions, upon receipt of one
                               0002
                                        111
                                                      unwind to the appropriate command level.
                               0002
                                        112
                               0002
                 04 AC
                           7D
                                        113
                                                      PVOM
                                                               4(AP),R2
                                                                                             GET ADDRESSES OF ARRAYS
                 04 A2
                          DO
                               0006
                                                                                           ; FIND OUT IF ITS AN INTERNAL SIGNAL
                                        114
                                                      MOVL
                                                               CHF$L_SIG_NAME(R2),R5
                                                               MMSG$_BACKUP.R5
    55
          00000000
                    '8F
                          D1
                               000A
                                        115
                                                      CMPL
                                                                                           : BACK UP 1 COMMAND LEVEL
                           13
                               0011
                                                      BEQL
                                                               25$
                                        116
    55
          00000000
                     8F
                          DĪ
                               0013
                                        117
                                                      CMPL
                                                               #MSG$_EXITCMD,R5
                                                                                           : ABORT COMMAND AND ERASE SCREEN
                           13
                               001A
                                        118
                                                      BEQL
                                                               25$
          00000000
                          01
                                                               #MSG$_EOF,R5
    55
                     8F
                               001C
                                        119
                                                      CMPL
                                                                                           ; INTERNAL END OF FILE SIGNAL
                           13
                     3C
                                        120
                               0023
                                                      BEQL
                                                               25$
                                        121
                               0025
                               0025
                               0025
                                              MESSAGES ARE WRITTEN USING SPUTMSG
                               0025
                                        125
                                            80$:
    55
          00000000'8F
                          D1
                               0025
                                                      CMPL
                                                               #SS$_UNWIND,R5
                                                                                             ARE WE UNWINDING?
                                                      BEQL
                           13
                               0020
                                        126
                                                                                             IF SO, SIMPLY RESIGNAL
                     3D
                                                               30$
                                                      SUBL #2.CHF$L_SIG_ARGS(R2)
$PUTMSG_S_MSGVEC=(R2)
                                        127
               62
                     02
                           C2
                               005E
                                                                                             SUBTRACT PC, PSL FROM MESSAGE VECTOR
                               0031
                                        128
                                                                                             OUTPUT THE MESSAGE
                                        129
130
                                                               #2,CHF$L_SIG_ARGS(R2) : RESTORE PC,PSL TO MESSAGE VECTOR #STS$V_INHIB_MSG,CHF$L_SIG_NAME(R2),15$; MARK MESSAGE OUTPUT
                     02
        00 04 A2
                           CO
                               0040
                                                      ADDL
                          E2
                               0043
                                                      BBSS
                               0048
                                        131
133
133
135
136
137
138
139
                               0048
                                              ON WARNINGS, SIMPLY CONTINUE EXECUTION AT THE POINT OF THE SIGNAL
                                0048
                                                               #STS$V_SEVERITY, #STS$S_SEVERITY, -
CHF$L_SIG_NAME(R2), R0 ; EXTRACT
RO, #STS$K_WARNING ; CHECK IF
50
                                            15$:
     04 A2
               03
                     00
                          EF
                               0048
                                                      EXTZV
                                004E
                                                                                             EXTRACT SEVERITY CODE
               00
                          D1
                                004E
                                                      CMPL
                                                                                              CHECK IF ONLY WARNING
                                0051
                           12
                                                      BNEQ
                                                                                             BRANCH IF ERROR
                           91.
                                0053
                 00'8F
                                                      MOVZBL
                                                              #SS$_CONTINUE,Rf
                                                                                             INDICATE TO CONTINUE
                               0057
                                                      RET
                                0058
                                        140
                                0058
                                        141
                                               ON ERRORS, SET SUCCESS IN CALLER'S RO AND UNWIND TO ESTABLISHER.
                                0058
                                        143
                                            205:
                               0058
               02
                     50
                           D1
                                                      CMPL
                                                               RO,#STS$K_ERROR
                                                                                           : CHECK IF ERROR
```

HANDLER V04-000	DLER EXCEPTION HANDLER HANDLER EXCEPTION HANDLER			HANDLER - EXCEPTION	HANDLER	I 3 16-SEP-1984 01:30:53 VAX/VMS Macro V04-00 Page 5 5-SEP-1984 03:32:36 [SDA.SRC]HANDLER.MAR;1 (3		
	OC A3	0E 01 7E 02	12 005B 00 005D 7C 0061 FB 0063 04 006B 006B 006B 3C 006B 04 0070	144 145 146 25 \$: 147 148 149 ;	BNEQ MOVL CLRQ CALLS RET	30\$ #1,CHF\$L_MCH_SAVRO(R3); SUCCESS AFTER UNWIND -(SP); GO BACK TO ESTABLISHER #2,G^SYS\$UNWIND; UNWIND CALL FRAMES; RETURN TO ESTABLISHER		
	50 0000	8F	006B 006B 3C 006B 04 0070	150 ; ON 151 ; 152 30\$: 153	FATALS, REMOVZWL	ESIGNAL THE CONDITION SO THAT THE IMAGE IS ABORTED #SS\$_RESIGNAL,RO ; RESIGNAL CONDITION		

IND VO4 HANDLER VO4-000

EXCEPTION HANDLER HANDLER -- EXCEPTION HANDLER

16-SEP-1984 01:30:53 VAX/VMS Macro V04-00 5-SEP-1984 03:32:36 [SDA.SRC]HANDLER.MAR;1

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IND VO4

0071 0071 155 156

.END

J 3

SAB! SDAI INDI

PSE(

IND

Syml

SS.1 ALLC CUR DUM!

FAB1 HEAL

HEACH INDE LINE LINE LINE LINE LINE PAGE PRIP PUT

RABI RABI RABI RABI

SET

SUB SYS!

5751 5751 5751

Pha

LITI

Ini Comi Pasi Symi Pas

L 3 HANDLER VAX-11 Macro Run Statistics **EXCEPTION HANDLER** 16-SEP-1984 01:30:53 VAX/VMS Macro V04-00 5-SEP-1984 03:32:36 [SDA.SRC]HANDLER.MAR;1 Page 8 (5)

Macro library statistics !

Macro library name _\$255\$DUA28:[SDA.OBJ]SDALIB.MLB;1
_\$255\$DUA28:[SYS.OBJ]LIB.MLB;1
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2

TOTALS (all libraries)

Macros defined 0

ğ 7

123 GETS were required to define 7 macros

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$: HANDLER/OBJ=OBJ\$: HANDLER MSRC\$: HANDLER/UPDATE=(ENH\$: HANDLER) + EXECML\$/LIB+LIB\$: SDALIB/LIB

VAX-

INDI

Symi Psei Cro ASSI

2060 The 245

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